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PATENT
Customer No. 22,852
Docket No. 08364.0019-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

David BARTLETT et al.

Application No.: 09/856,734 ✓

Filed: May 25, 2001

For: ACOUSTIC COMMUNICATION
SYSTEM

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) Group Art Unit: to be assigned
)
) Examiner: to be assigned
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Assistant Commissioner for Patents
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed within three months of the date of entry of the national stage in an international application.

Copies of the listed documents, including any copending patent applications, are attached.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

English language abstracts of the non-English documents are enclosed.

LAW OFFICES

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202-408-4000

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

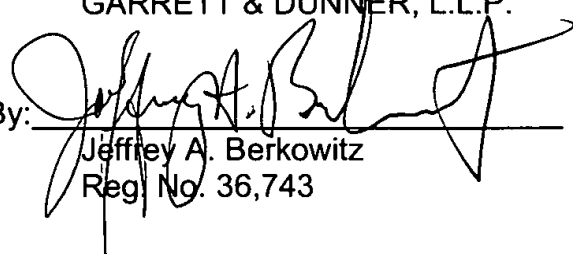
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: September 4, 2001

By:


Jeffrey A. Berkowitz
Reg. No. 36,743

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INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

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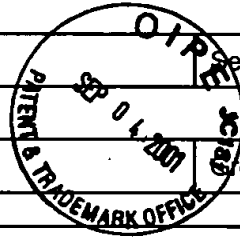
Atty. Docket No.	08364.0019-00000	Serial No.	09/856,734
Applicant	David Bartlett et al.		
Filing Date	May 25, 2001	Group:	

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	2,660,662	Nov. 24, 1953	Scherbatskoy	250	2	
	3,651,471	March 21, 1972	Haselwood et al.	340	172.5	
	3,732,536	May 8, 1973	Larka et al.	340	16R	
	3,742,463	June 26, 1973	Haselwood et al.	340	172.5	
	3,845,391	Oct. 29, 1974	Crosby	325	64	
	4,025,851	May 24, 1977	Haselwood et al.	325	31	
	4,237,449	Dec. 2, 180	Zibell	340	407	
	4,514,725	April 30, 1985	Bristley	340	691	
	4,642,685	Feb. 10, 1987	Roberts et al.	358	84	
	4,718,106	Jan. 5, 1988	Weinblatt	455	2	
	4,750,034	June 7, 1988	Lem	358	84	
	4,807,031	Feb. 21, 1989	Broughton et al.	358	142	
	4,846,693	July 11, 1989	Baer	434	308	
	4,923,428	May 8, 1990	Curran	446	175	
	4,945,412	July 31, 1990	Kramer	358	142	
	5,108,341	April 28, 1992	DeSmet	446	299	
	5,113,437	May 12, 1992	Best et al.	380	3	
	5,191,615	Mar. 2, 1993	Aldava et al.	381	3	
	5,412, 620	May 2, 1995	Cafarella et al.	367	134	
	5,436,941	July 25, 1995	Dixon et al.	375	206	
	5,450,490	Sept. 12, 1995	Jensen et al.	380	6	
	5,479,442	Dec. 26, 1995	Yamamoto	375	206	
	5,499,265	March 12, 1996	Dixon et al.	375	200	
	5,579,124	Nov. 26, 1996	Aijala et al.	386	96	
	5,687,191	Nov. 11, 1997	Lee et al.	375	216	
	5,719,937	Feb. 17, 1998	Warren et al.	380	4	
	5,774,452	June 30, 1998	Wolosewicz	370	212	

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Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,822,360	Oct. 13, 1998	Lee et al.	375	200	
	5,828,325	Oct. 27, 1998	Wolosewicz et al.	341	52	
	5,848,155	Dec. 8, 1998	Cox	380	4	
	5,930,369	Jul 27, 1999	Cox et al.	380	54	
	5,960,398	Sept 28, 1999	Fuchigami et al.	704	270	
	5,963,909	Oct. 5, 1999.	Warren et al.	705	1	

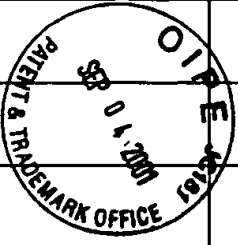
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	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
	EP 0 135 192	March 27, 1985	European			
	EP 0 172 095	Feb. 19, 1986	European			English Abstract
	EP 0347 401 A3	Dec. 20, 1989	European			
	EP 0 606 703 B1	July 20, 1994	European			
	EP 0631 226 A1	Dec. 28, 1994	European			
	EP 0 674 405 B1	Oct. 21, 1998	European			
	EP 0 766 468 A2	April 2, 1997	European			
	EP 0 822 550 A1	Feb. 4, 1998	European			
	EP 0 828 372 A2	March 11, 1998	European			
	EP 0863 631 A2	Sept. 9, 1998	European			
	EP 0875107		United Kingdom			
	DE 32 29 405 A1	Feb. 9, 1984	German			English Abstract
	GB 2 135 536 A	Aug. 30, 1984	United Kingdom			
	GB 2 192 743 A	Jan. 20, 1988	United Kingdom			
	GB 2 196 167 A	April 20, 1988	United Kingdom			

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Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
GB 2 294 619 A	May 1, 1996	United Kingdom			
GB 2 334 133 A	Aug. 11, 1999	United Kingdom			
GB 2 343 774 A	May 17, 2000	United Kingdom			
GB 2 345 779 A	July 19, 2000	United Kingdom			
WO 91/10490	July 25, 1991	International			
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WO 94/08677	April 28, 1994	International			
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WO 97/21279	June 12, 1997	International			
WO 97/31440	Aug 28, 1997	International			
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WO 99/00979	Jan. 7, 1999	International			
2 626 731	Aug. 4, 1989	French			English Abstract

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	Information Processing Society of Japan, "Digital Watermark Scheme for High Quality Audio Data by Spectrum Spreading and Modified Discrete Cosine Transform", M. Iwakiri et al., Vol. 39, No. 9, Sept. 1998, pp 2631-2637. (English Abstract)
	IEEE Transactions on Consumer Electronics, "Digital Watermarking for Copyright Protection of MPEG2 Compressed Video", Tae-Yun Chung et al., Vol. 44, No. 3, August 1998, pp 895-901.
	Lecture Notes in Computer Science 1525, Information Hiding, "Continuous Steganographic Data Transmission Using Uncompressed Audio", Chr. Neubauer et al., 2 nd International Workshop, IH '98, Portland, Oregon, USA, April 1998 Proceedings, pp. 208-217
	IEEE Transactions on Image Processing, "Secure Spread Spectrum Watermarking for Multimedia", I. J. Cox, et al., Vol. 6, No. 12, December 1997, pp 1673-1687

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	<u>1997 IEEE 6th International Conference on Universal Personal Communications Record</u> , "An Embedded Cryptosystem for Digital Broadcasting", G.S. Sundaram et al., Vol. 2 of 2, October 12 to 16, 1997, San Diego, CA, pp 401-405
	<u>International Conference on Image Processing</u> , "Secure Spread Spectrum Watermarking for Images, Audio and Video", I.J. Cox, et al., Vol. III of III, September 16-19, 1996, Lausanne, Switzerland
	<u>IBM Systems Journal, MIT Media Lab</u> , "Techniques for Data Hiding", W. Bender et al., Vol. 35, Nos 3 & 4, 1995, pp 313-336
	<u>Lecture Notes in Computer Science 1174, Information Hiding</u> , "A Secure, Robust Watermark for Multimedia", I.J. Cox, et al., 1 st International Workshop Cambridge, U.K., May/June 1996 Proceedings, pp 185-206
	<u>SouthCon 96, Conference Record</u> , "Orlando, Florida, June 25,-27, 1996", A Secure, Imperceptible Yet Perceptually Salient, Spread Spectrum Watermark for Multimedia", I.J. Cox, et al., pp 192-197
	<u>Principles of Digital Audio, Second Edition</u> , "Fundamentals of Digital Audio" pp 47-48 and "Digital Audio Tape (DAT)", pp 255-256 and "The Compact Disc", p. 323, K..C. Pohlmann,

Examiner	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce